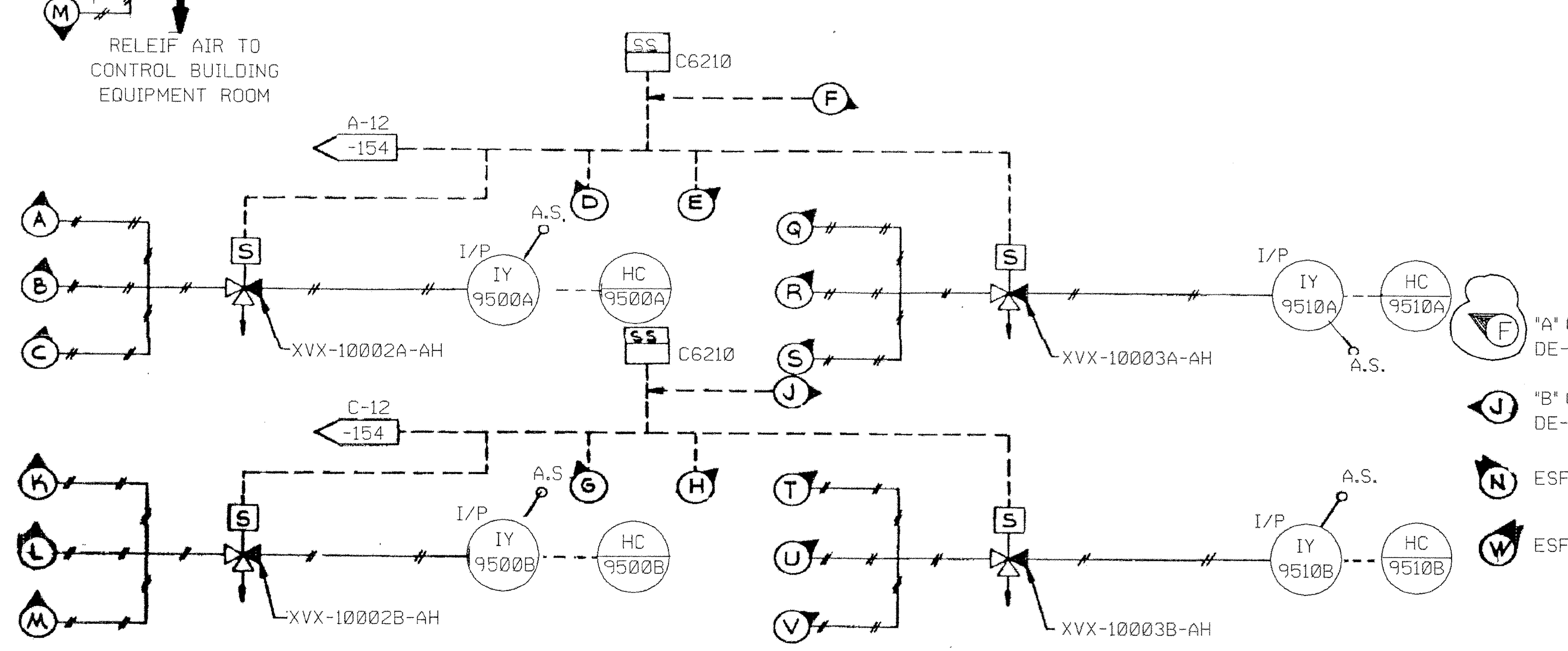
SYSTEM OPERATION DATA

#	AIR FLOW CFM	AIR TEMP. °F
1	9500	58
2	3400	55
3	95	19/95
4	95	75/85
5	680	75/85
6	680	19/95

SAFETY CLASS VERIFICATION
ORIGINATED BY
REVIEWED BY

RELAY ROOM COMPONENTS ARE SAFETY CLASS 2b.

TSC EQUIPMENT ROOM AND COMPUTER ROOM COMPONENTS ARE NON-NUCLEAR SAFETY, EXCEPT AS NOTE.



"A" CHANNEL SIGNAL (SI) OR HI-RAD SIGNAL DE-ENERGIZES SOLENOID VALVES.

"B" CHANNEL SIGNAL (SI) OR HI-RAD SIGNAL DE-ENERGIZES SOLENOID VALVE.

ESFLS SIGNAL STARTS FAN.

ESF SIGNAL BLOCKS FAN OPERATION.

SYSTEM DESIGN DATA

P	AIR FLOW CFM
1	9500
2	3400
3	
4	

NOTE:

1. HEATING COIL INCLUDES OVERTEMP AND LOW FLOW PROTECTIVE DEVICES.
2. (f) INDICATES DEVICE IS FURNISHED WITH EQUIPMENT.
3. FOR SAFETY CLASSIFICATION OF INSTRUMENTS, SEE INSTRU. LIST.
4. COIL FACE DAMPERS FAIL OPEN AND COIL BYPASS DAMPERS FAIL CLOSED.
5. EXCEPT WHERE NOTED OTHERWISE ALL ALARMS AND INDICATING LIGHTS ARE LOCATED AT THE HVAC CONTROL BOARD (XCP-6210-AH) IN THE MAIN CONTROL ROOM.
6. ALL DUCTWORK IDENTIFIED AS QR TO BE PER QRP 4.
7. ALL EQUIPMENT IDENTIFIED AS QR TO BE PER TRP-31.

"QUALITY RELATED-FABRICATION, ERECTION AND INSPECTION PER SCE&G QRP FOR HVAC DUCTS AND SUPPORTS.

ESSENTIAL

DRAWING CLASS LEGIBILITY 1

THIS IS A NUCLEAR SAFETY RELATED DOCUMENT. NO DEVIATION SHALL BE INITIATED OR PERFORMED WITHOUT PRIOR DOCUMENTATION AND WRITTEN APPROVAL

NO.	DATE	BY	REVISION	CKD. BY	LE APPROVAL
22	9/20/01	RHM	REVISED PER ECR-70039	MGR	JEG
21	08/30/93	AVN	REVISED PER MRF-34054	JHR	DJC
20	07-27-93	SRM	REVISED PER MRF-21432-D	JHR	MCL
19	04/22/93	JMH	REVISED PER CGSS-93-0328	DVW	GAA

FSAR Figure 9.4-2

SOUTH CAROLINA ELECTRIC & GAS COMPANY

VIRGIL C. SUMMER NUCLEAR STATION

BUILDING SERVICE SYSTEM FLOW DIAGRAM
RELAY AND COMPUTER ROOM
COOLING SYSTEM

SCE&G A SCANA COMPANY — DESIGN ENGINEERING — V. C. SUMMER NUCLEAR STATION JENKINSVILLE S. C.

MADE	CHECKED	LE APPROVAL
1. ACI	2. RHM	3. DJC

SCALE NO SCALE — DRAWING NUMBER D-912-136 — SHT. NUMBER — REV 22